II.   CLAIM AMENDMENTS

1. (Cancelled)

2. (Previously Presented) A method as claimed in claim 3, further comprising the steps of:

> checking in the fixed network part if the IC card is entitled to use the necessary resources of the fixed network part, and

> connecting the necessary resources of the fixed network part to a functional connection with the access point in response to the IC card having the right to use the resources of the fixed network part.

3. (Previously Presented) A method of connecting an access point to other network elements in a PLMN (Public Land Mobile Network) wireless telecommunication system having at least the access point and at least one fixed network part, wherein the access point is a base station with at least one transceiver for offering a wireless connection to a terminal, the method comprising:

> storing data on an IC card for connecting at least one access point to a functional connection with the fixed network part,

> connecting the IC card inserted in the access point by an IC card reader in the access point in response to a need to connect the access point to the fixed network part, and

> receiving at least address data related to the fixed network part from the IC card, and, connecting necessary resources of the fixed network part to a functional connection with the access point on the basis of said data from the IC card.

wherein

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said data stored on said IC card includes an address of at least one fixed network part element and a specific identity of the IC card,

the fixed network part element also comprises data on the IC card, assorted by the specific identity, the method further comprising the steps of:

transmitting a request for connecting the access point to the network element of the fixed network part on the basis of the stored address, and

checking the rights of the IC card by checking the data on the IC card on the basis of the specific identity and by authenticating the IC card.

4. (Previously Presented) A method as claimed in claim 3, wherein

said data includes at least one key and algorithm required for authenticating the IC card, the method further comprising the steps of:

transmitting an authentication response, calculated by means of at least one key and algorithm, to the fixed network part,

authenticating the IC card by checking the transmitted authentication response in the fixed network part, and

connecting the access point to a functional connection with the resources of the fixed network part in response to the authentication response being acceptable.

5. (Previously Presented) A method as claimed in claim 3, wherein

said data includes at least one key and algorithm for ciphering the connection between the access point and the fixed network part, and the method further includes the step of

ciphering the traffic between the access point and the fixed network part by utilizing at least one key and algorithm.

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6. (Previously Presented) A method as claimed in claim 3, wherein

the fixed network part comprises at least one radio network controller, an access point server, and an access point register server in a functional connection thereto and includes stored data relating to the IC card, the method further comprising the steps of:

transmitting a specific identity of the IC card to the access point register server,

checking a right of the IC card to use the resources of the fixed network part,

selecting an access point server for the access point in response to the IC card having the right to use the resources of the fixed network part,

transmitting data on the selected access point server to the access point and data on the access point to be connected to the access point server,

transmitting from the access point to the access point server a request for selecting a radio network controller,

selecting a radio network controller for the access point, and

connecting the access point to a functional connection with the radio network controller and other optionally required resources.

7. (Original) A method as claimed in claim 6, further comprising the steps of:

calculating at least one cipher key and authentication response in the IC card and in the access point register server,

transmitting the authentication response calculated in the IC card to the access point register server,

authenticating the IC card by checking if the transmitted authentication response corresponds to the authentication response calculated in the access point register server, and

connecting, in response to an acceptable authentication, the access point to a functional connection with the radio network controller in such a manner that the traffic between the access point and the radio network controller is ciphered by the calculated cipher keys.

8. (Previously Presented) A method as claimed claim 3, wherein

the IC card comprises a security function for checking a user of the IC card, and wherein

other data, in addition to said data related to the use of the access points, is stored on the IC card.

9. (Previously Presented) A method as claimed in claim 3, wherein

the access point is a base station in a UMTS system, and the fixed network part comprises at least a UMTS system radio network controller RNC.

10. (Previously Presented) A method as claimed in claim 3, wherein

the access point is a UMTS system radio network controller RNC and the fixed network part comprises one or more network elements of a core network of a UMTS system.

11. (Cancelled)

12. (Previously Presented) A wireless telecommunication system as claimed in claim 13, wherein

the fixed network part is arranged to check if the IC card is entitled to use the necessary resources of the fixed network part, and

the access point and the fixed network part are arranged to connect the access point and or necessary resources of the fixed network part to a functional

connection in response to the IC card being entitled to use the necessary resources of the fixed network part.

13. (Previously Presented) A PLMN (Public Land Mobile Network) wireless telecommunication system comprising at least one access point and at least one fixed network part, wherein:

the access point is a base station having at least one transceiver and configured to offer a wireless connection to a terminal,

the access point is arranged to connect an IC card inserted in the access point by an IC card reader in the access point, onto which IC card is stored data for connecting at least one access point to a functional connection with the fixed network part, and

the access point is arranged to receive at least address data related to the fixed network part from the IC card, and the access point and the fixed network part are arranged to connect necessary resources of the fixed network part to a functional connection with the access point on the basis of said data from the IC card.

wherein:

said data stored on said IC card comprises an address of at least one fixed network part element and a specific identity of the IC card,

the fixed network part element also comprises data on the IC card, assorted by the specific identity,

the access point is arranged to transmit a request for connecting the access point to the network element of the fixed network part on the basis of the stored address, and

the network element of the fixed network part is arranged to check rights of the IC card by checking the data on the IC card on the basis of the specific identity and by authenticating the IC card.

14. (Previously Presented) A wireless telecommunication system as claimed in claim 13, wherein:

the fixed network part comprises at least one radio network controller, an access point server, and an access point register server in a functional connection thereto and includes stored data on the IC card,

> the access point is arranged to transmit a specific identity of the IC card to the access point register server,

> the access point register server is arranged to check a right of the IC card to use the necessary resources of the fixed network part,

> the access point register server is arranged to select an access point server for the access point in response to the IC card being entitled to use the necessary resources of the fixed network part,

> the access point register server is arranged to transmit data on the selected access point server to the access point and data on the access point to be connected to the access point server,

> the access point is arranged to transmit to the access point server a request for selecting a radio network controller,

> the access point server is arranged to select a radio network controller for the access point, and

> the access point and the fixed network part are arranged to connect the access point to a functional connection with the radio network controller and other optionally required resources.

15. (Original) A wireless telecommunication system as claimed in claim 14, wherein

the IC card and the access point register server are arranged to calculate at least one cipher key and authentication response,

the access point is arranged to transmit the authentication response calculated in the IC card to the access point register server,

the access point register server is arranged to authenticate the IC card by checking if the transmitted authentication response corresponds to the authentication response calculated in the access point register server, and

the access point and the fixed network part are arranged to connect, in response to an acceptable authentication, the access point to a functional connection with the radio network controller in such a manner that traffic between the access point and the radio network controller is ciphered by the calculated cipher keys.

16. (Cancelled)

17. (Currently Amended) An access point for a PLMN (Public Land Mobile Network) wireless telecommunication system, wherein:

the access point is a base station configured to offer a wireless connection to a terminal,

the access point is configured to connect an IC card inserted in the access point allow for reading data on the IC card, by an IC card reader in the access point,

the access point is configured to receive at least address data from the IC card, and

the access point comprises a controller and at least one transceiver for setting up a functional connection to required resources of a fixed network part on the basis of the data stored on the IC card.

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wherein

said data comprises an address of at least one fixed network part element and a specific identity of the IC card,

the ~~control means are~~controller is arranged to send a request including a specific identity of the IC card for connecting the access point to a network element of the fixed network part on the basis of the stored address, and

the ~~control means are~~controller is arranged to set up a functional connection to at least one network element of the fixed network part in response to an accepted request for connecting the access point determined by checking the data stored on the IC card on the basis of the specific identity and by authenticating the IC card.

18. (Currently Amended) An access point in a wireless telecommunication system as claimed in claim 17, wherein

the ~~control means are~~controller is arranged to transmit a request to the IC card for calculating an authentication response and at least one ciphering key,

the ~~control means are~~controller is arranged to transmit the authentication response calculated on the IC card to the fixed network part, and

the transceiver means are arranged to cipher the data to be sent to the fixed network part and to decrypt the data received from the fixed network part by means of at least one ciphering key calculated on the IC card.

19. (Previously Presented) An access point as claimed in claim 17, wherein

the access point is a base station in the wireless telecommunication system.

20. (Previously Presented) An access point as claimed in claim 17, wherein

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the access point is a radio network controller controlling one or more base stations in the wireless telecommunication system, and the fixed network part comprises one or more wireless network elements of a core network of the telecommunication system.

21.   (Previously Presented) The method of claim 6, wherein the stored data relating to the IC card includes the specific identify of the IC card.

22.   (Previously Presented) The method of claim 8, wherein the other data stored on the IC card includes data required in UMTS system USIM application.

23.   (Previously Presented) The system of claim 14, wherein the stored data relating to the IC card includes the specific identify of the IC card.

24.   (New) Access point means for a PLMN (Public Land Mobile Network) wireless telecommunication system, wherein:

the access point means is a base station configured to offer a wireless connection to a terminal,

the access point means is configured to connect an IC card inserted in the access point means to allow for reading data on the IC card, by an IC card reader in the access point means,

the access point means is configured to receive at least address data from the IC card, and

the access point means comprises controller means and transceiver means for setting up a functional connection to required resources of a fixed network part on the basis of the data stored on the IC card.

wherein

said data comprises an address of at least one fixed network part element and a specific identity of the IC card,

the controller means is arranged to send a request including a specific identity of the IC card for connecting the access point to a network element of the fixed network part on the basis of the stored address, and

the controller means is arranged to set up a functional connection to at least one network element of the fixed network part in response to an accepted request for connecting the access point means determined by checking the data stored on the IC card on the basis of the specific identity and by authenticating the IC card.